

METHOD AND APPARATUS FOR DIRECT IMAGE PICK-UP OF GRANULAR SPECK
PATTERN GENERATED BY REFLECTING LIGHT OF LASER BEAM

ABSTRACT OF THE DISCLOSURE

A granular speck pattern is generated by a reflecting laser beam as an object to be measured is irradiated with a laser beam. This granular speck pattern is directly picked up as an image index by a line sensor. An A/D converter converts an analog signal supplied from the line sensor to a digital signal, and a processing unit calculates the amount of movement of the object on the basis of movement of a pixel interval of the granular speck pattern. A display device displays the amount of movement calculated by said processing unit.